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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/500,725	02/09/2000	Edward F. Chatcavage	BLD990045USI	3001

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EXAMINER

EBRAHIMI DEHKORDY, SAEID

ART UNIT PAPER NUMBER

2626

DATE MAILED: 04/21/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/500,725

Applicant(s)

CHATCAVAGE ET AL.

Examiner

Saeid Ebrahimi-dehKordy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

Response to Arguments

1. Applicant's arguments with respect to claims 1-17 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-27 are rejected under 35 U.S.C. 102(e) as being anticipated by Hohensee et al (U.S. patent 6,407,821)

Regarding claim 1 and 8 Hohensee et al disclose: a data structure disposed before a page in a document data stream for referencing and identifying resource objects (please note Fig.6 column 9 lines 32-38) the data structure providing an indication of resource objects to be made available prior to attempting to print the page (please note column 9 lines 43-46).

Regarding claim 2 and 9 Hohensee et al disclose: The data structure of claim 1, wherein the data structure is disposed at a beginning of a document before a first page to providing an indication of all resource objects that will be needed to print the document (please note column 9 lines 44-51).

Regarding claim 3 and 10 Hohensee et al disclose: The data structure of claim 2 wherein all of the resource objects of the document are made available prior to attempting to print the first page (please note column 9 lines 33-37).

Regarding claim 4 and 11 Hohensee et al disclose: The data structure of claim 1 further comprising a mapping structure for identifying images PostScript page objects, PDF page objects, PostScript resource objects or PDF resource objects (please note column 9 lines 52-67 and column 10 lines 1-12).

Regarding claim 5 and 12 Hohensee et al disclose: The data structure of claim 4 further comprising a mapping structure for identifying overlay resource objects (please note column 10 lines 60-67 and column 11 lines 1-2).

Regarding claim 6 and 13 Hohensee et al disclose: The data structure of claim 1 further comprising a mapping structure for identifying overlay resource objects (please note column 10 lines 60-65).

Regarding claim 7 and 14 Hohense et al disclose: The data structure of claim 1 further comprising at least one of a map data resource field for identifying images PostScript page objects, PDF page objects, PostScript resource objects or PDF resource objects and a map page overlay structure for identifying overlays wherein the order of the map data resource structure and the map page overlay structure is flexible (please note column 10 lines 22-60).

Regarding claim 15 and 27 Hohensee et al disclose: A method of printing, comprising: receiving a print request for printing a document generating a presentation data stream defining the document (please note column 5 lines 3-21) the presentation

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data stream including at least one page group the page group defining at least one page for printing (please note column 6 lines 18-25) and placing a resource environment group before a page group (please note column 6 lines 18-35) the resource environment group referencing and identifying resource objects for at least the page group the resource environment group providing an indication of resource objects to be made available prior to attempting to print the at least one page group (please note column 9 lines 27-39).

Regarding claim 16 Hohensee et al disclose: The method of claim 15 wherein the page group comprises structures for defining a single page (please note column 10 lines 60-67 and column 11 lines 1-2).

Regarding claim 17 Hohensee et al disclose: The method of claim 15 wherein the page group comprises structures for defining a plurality of pages (please note column 11 lines 53-56).

Regarding claim 18 Hohensee et al disclose: The method of claim 15 wherein the resource environment group references and identifies resource objects for all page groups in the document (please note column 6 lines 18-25).

Regarding claim 19 Hohensee et al disclose: The method of claim 15 wherein the placing comprises placing an Nth resource environment group before an Nth page group (please note column 7 lines 56-67 and column 8 lines 1-3).

Regarding claim 20 Hohensee et al disclose: The method of claim 15 further comprising reading the resource environment group and ensuring all resource objects identified by the resource environment group are available to the printer before printing

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pages associated with the resource environment group (please note column 10 lines 21-30).

Regarding claim 21 Hohensee et al disclose: The method of claim 20 wherein the ensuring comprises downloading any resources identified by the resource environment group that are not resident at the printer (please note column 5 lines 36-51).

Regarding claim 22 Hohensee et al disclose: A method of printing, comprising: receiving a print data stream (please note column 8 lines 60-65) determining whether the print data stream includes a resource environment group (please note column 6 lines 18-25) downloading resource objects identified by the resource environment group when the print data stream includes a resource environment group (please note column 10 lines 60-67 and column 11 lines 1-2) and printing the pages defined by the print data stream (please note column 9 lines 27-42).

Regarding claim 23 Hohensee et al disclose: The method of claim 22 wherein the determining further comprises determining whether the print data stream includes an Nth resource environment group associated with an Nth page group and the downloading further comprises downloading resource objects for the Nth page group identified by the Nth resource environment group when the print data stream includes an Nth resource environment group associated with an Nth page group (please note column 5 lines 36-51).

Regarding claim 24 and 26 Hohensee et al disclose: A system for printing, comprising: a document generator for generating a presentation data stream defining the document the presentation data stream including at least one page group (please

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note column 6 lines 18-25) the page group defining at least one page for printing and including a resource environment group before a page group (please note column 8 lines 14-25). the resource environment group referencing and identifying resource objects for at least the page group the resource environment group providing an indication of resource objects to be made available prior to attempting to print the at least one page group (please note column 9 lines 26-41) a print server coupled to the document generator (please note column 5 lines 36-51) the print server determining whether the print data stream includes a resource environment group and downloading resource objects identified by the resource environment group when the print data stream includes a resource environment group (please note column 8 lines 14-25) and a control unit coupled to the print server for printing the document using the resource objects downloaded by the print server (please note column 8 lines 26-38).

Regarding claim 25 Hohensee et al disclose: The print system of claim 24 wherein the print server determines whether the print data stream includes an Nth resource environment group associated with an Nth page group and downloads resource objects for the Nth page group identified by the Nth resource environment group when the print data stream includes an Nth resource environment group associated with an Nth page group (please note column 8 lines 14-25).

Contact Information

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- Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Saeid Ebrahimi-Dehkordy* whose telephone number is (703) 306-3487.

The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams, can be reached at (703) 305-4863.

Any response to this action should be mailed to:

Assistant Commissioner for Patents
Washington, D.C. 20231

Or faxed to:

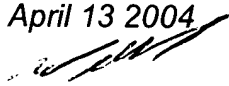
(703) 872-9306, or (703) 308-9052 (for **formal** communications; please mark
"EXPEDITED PROCEDURE")

Or:

(703) 306-5406 (for **informal** or **draft** communications, please label
"PROPOSED" or "DRAFT")

Hand delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 305-4750.

Saeid Ebrahimi-Dehkordy
Patent Examiner
Group Art Unit 2626
April 13 2004



KIMBERLY WILLIAMS
SUPERVISORY PATENT EXAMINER